

FIG. 1

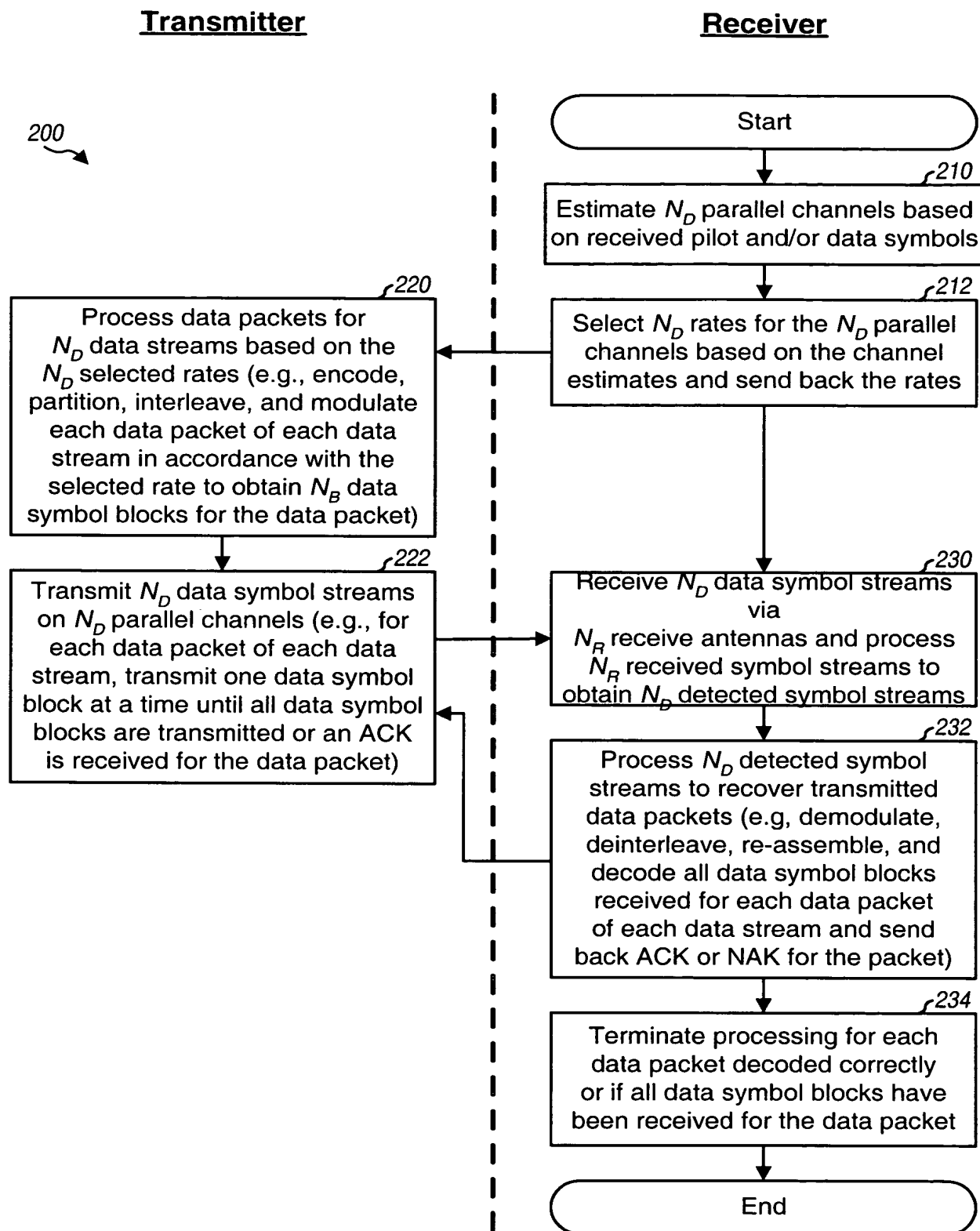


FIG. 2

IR Transmission for One Data Stream

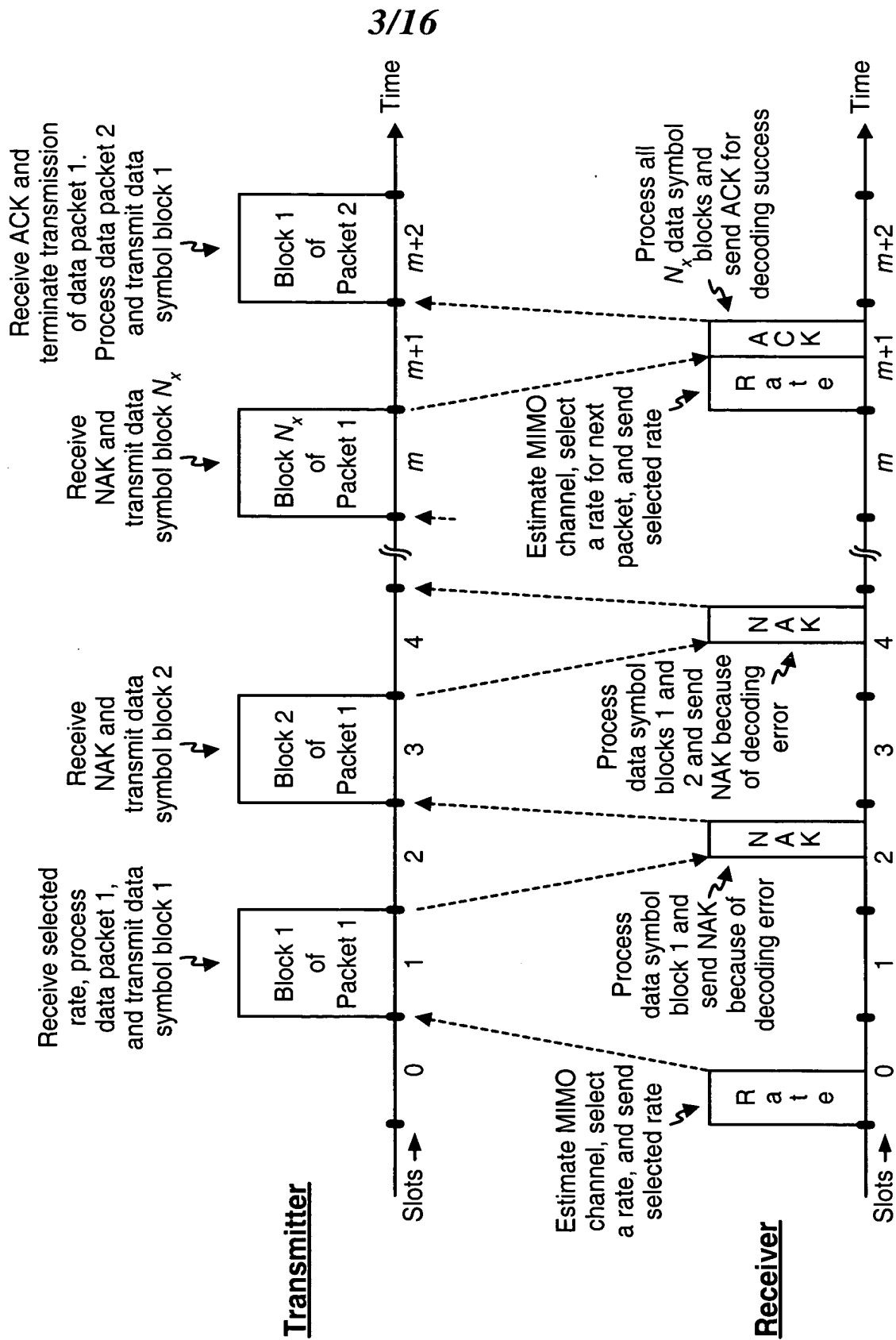
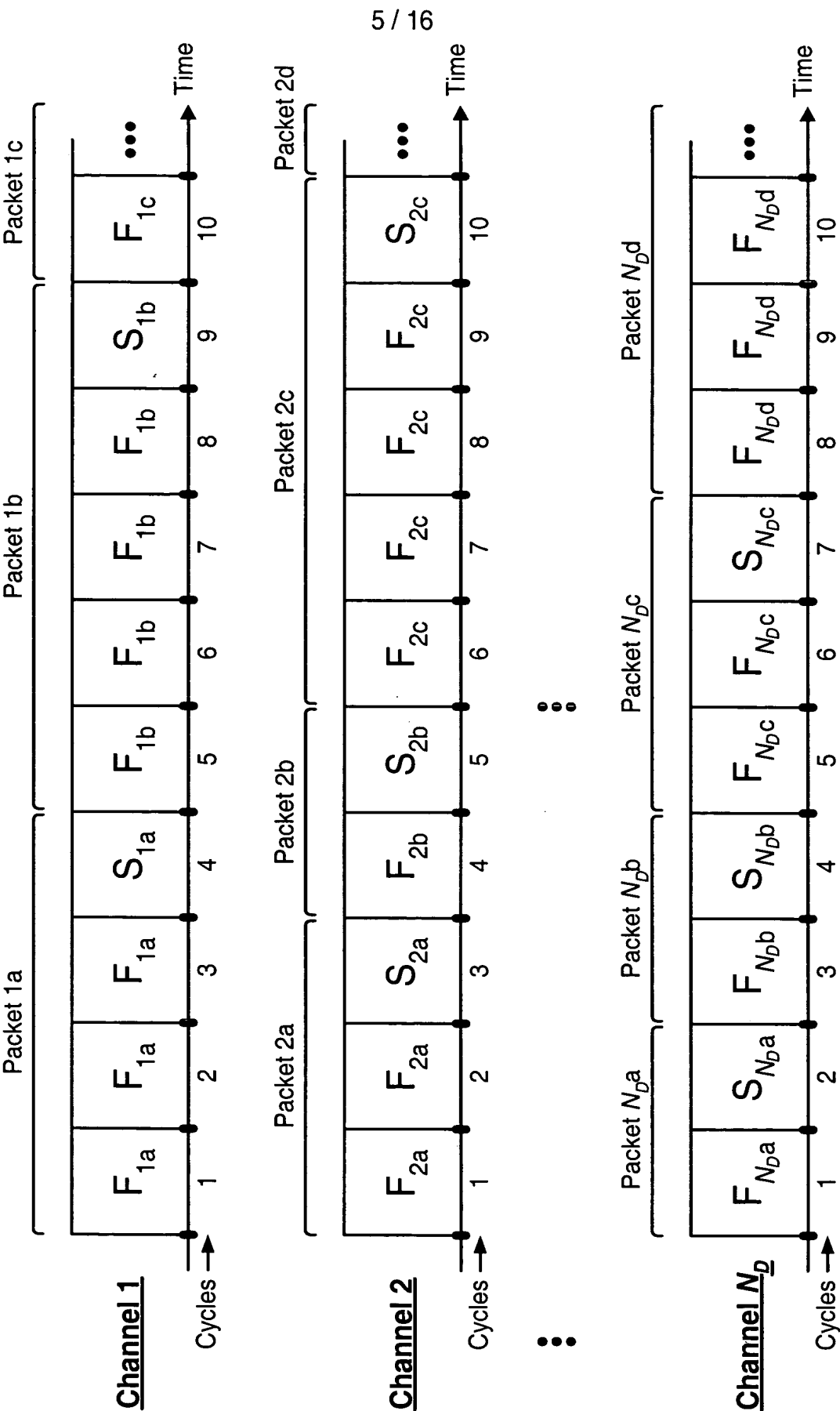


FIG. 3

		Subbands																Time
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Antenna 1	$s_{1,1}$	0	$s_{2,3}$	0	$s_{1,5}$	0	$s_{2,7}$	0	$s_{1,9}$	0	$s_{2,11}$	0	$s_{1,13}$	0	$s_{2,15}$	0		
	0	$s_{1,2}$	0	$s_{2,4}$	0	$s_{1,6}$	0	$s_{2,8}$	0	$s_{1,10}$	0	$s_{2,12}$	0	$s_{1,14}$	0	$s_{2,16}$		
Antenna 2	$s_{2,1}$	0	$s_{1,3}$	0	$s_{2,5}$	0	$s_{1,7}$	0	$s_{2,9}$	0	$s_{1,11}$	0	$s_{2,13}$	0	$s_{1,15}$	0		
	0	$s_{2,2}$	0	$s_{1,4}$	0	$s_{2,6}$	0	$s_{1,8}$	0	$s_{2,10}$	0	$s_{1,12}$	0	$s_{2,14}$	0	$s_{1,16}$		

FIG. 4

IR Transmission for N_D Independent Parallel Channels



F= decoding failure S= decoding success

FIG. 5

IR Transmission for 2 Inter-dependent Parallel Channels (Ordered SIC Transmission Scheme - with Null Transmission for Early Termination)

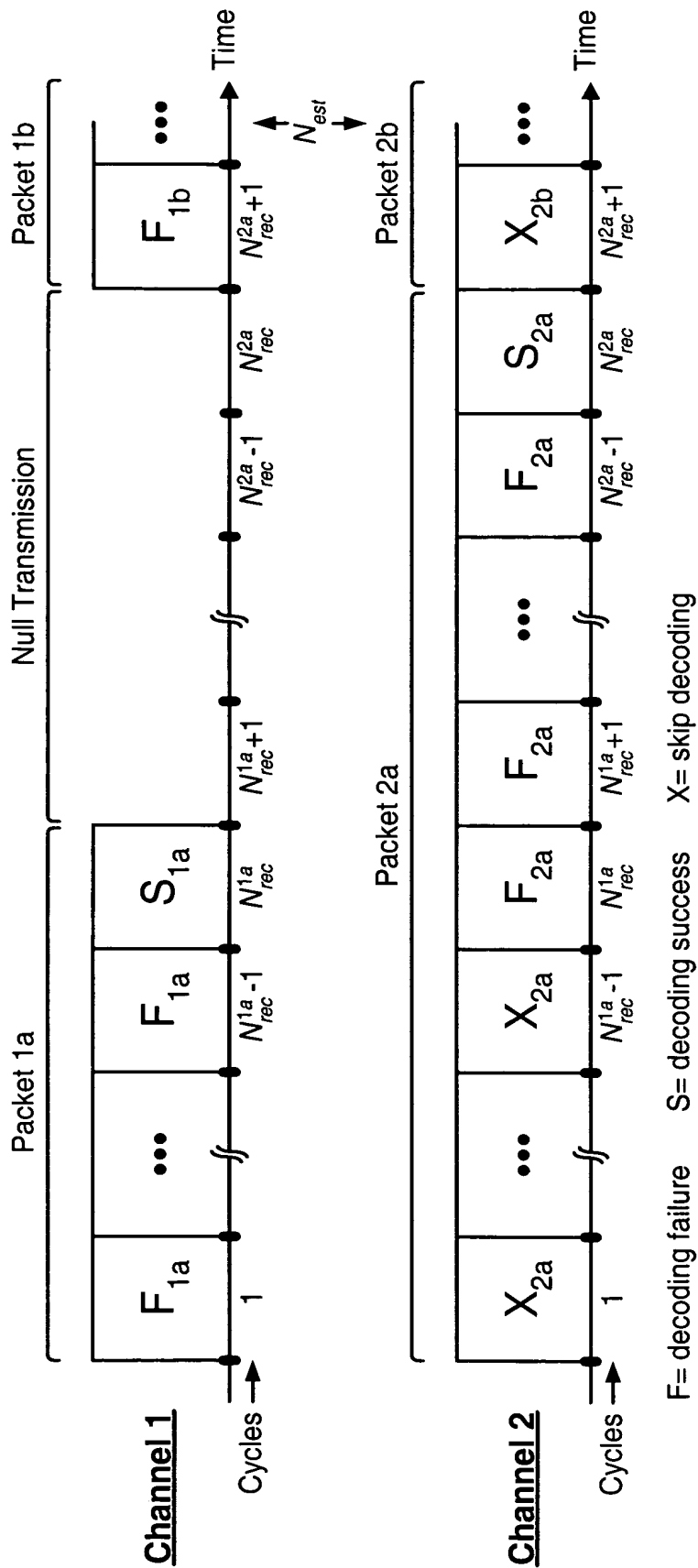


FIG. 6A

IR Transmission for 2 Inter-dependent Parallel Channels (Ordered SIC Transmission Scheme - with Short Packet Transmission for Early Termination)

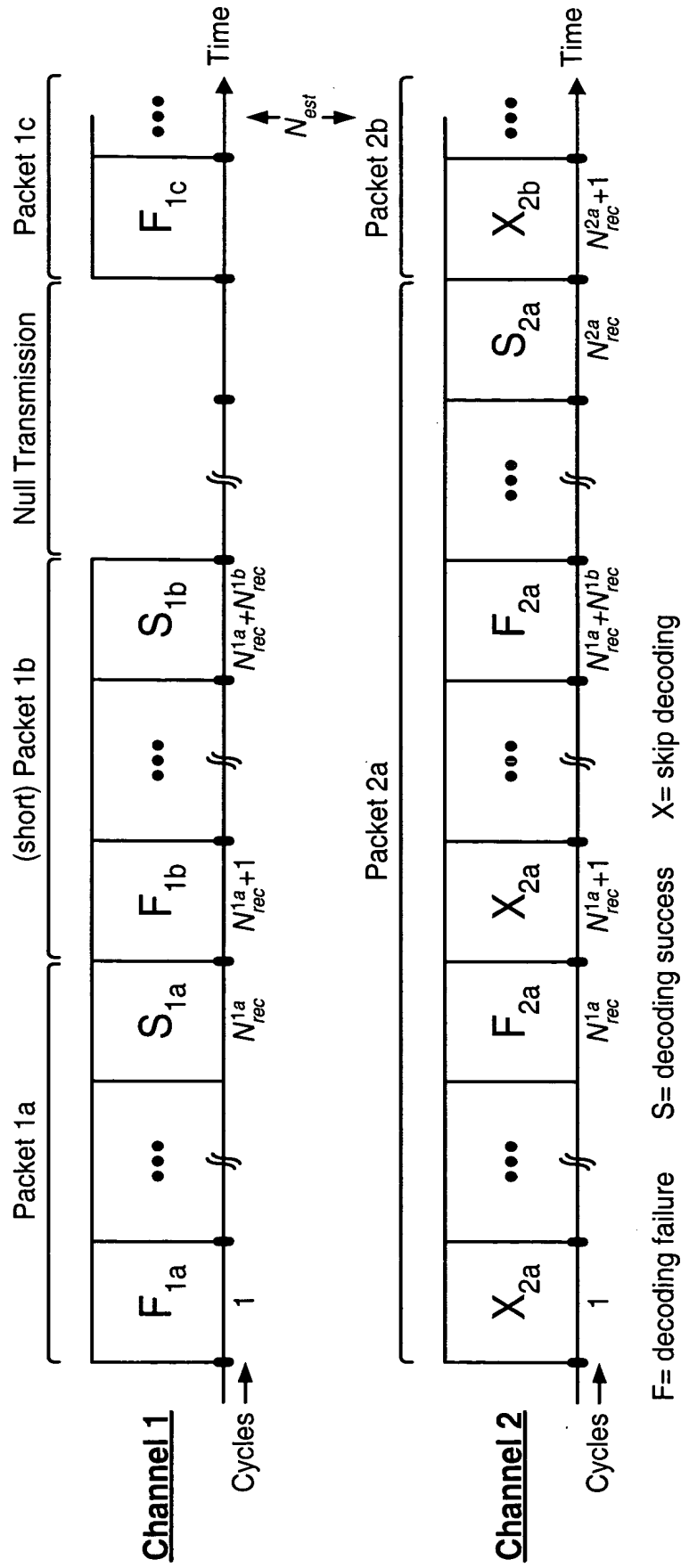


FIG. 6B

IR Transmission for 2 Inter-dependent Parallel Channels
 (Ordered SIC Transmission Scheme - with Long Packet Transmission for Early Termination)

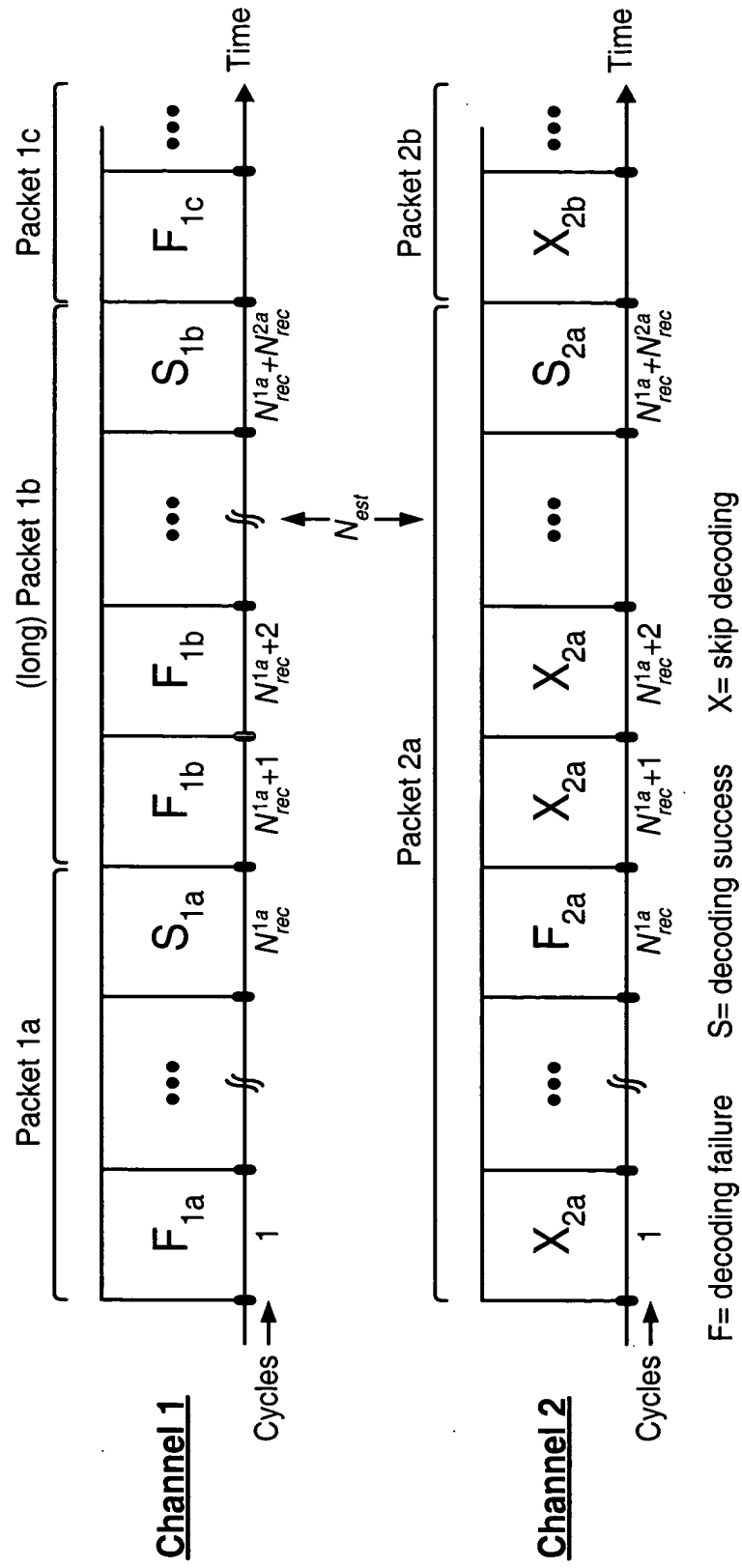


FIG. 6C

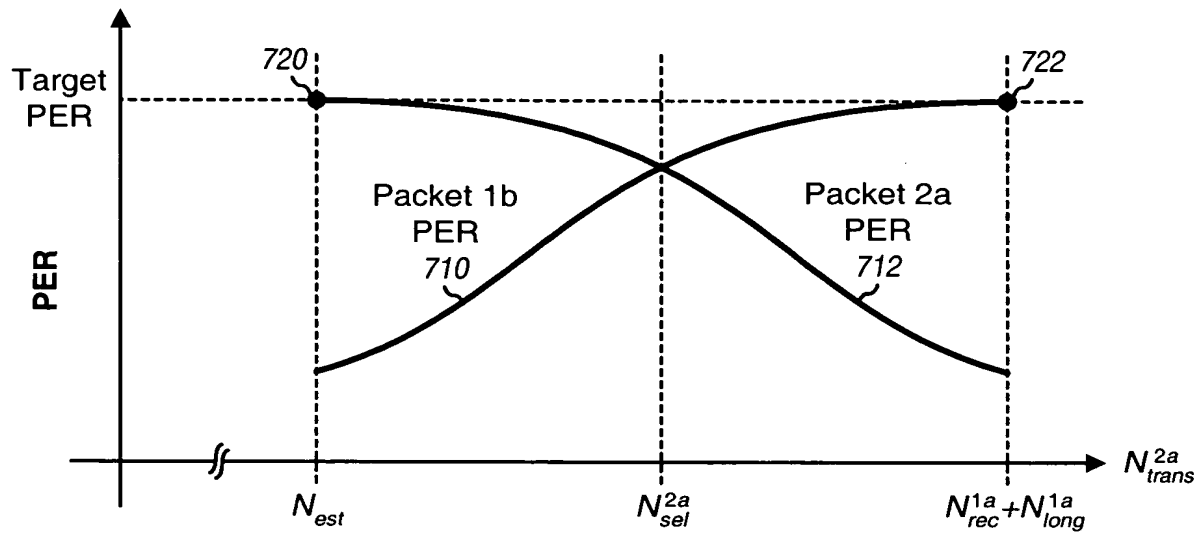


FIG. 7

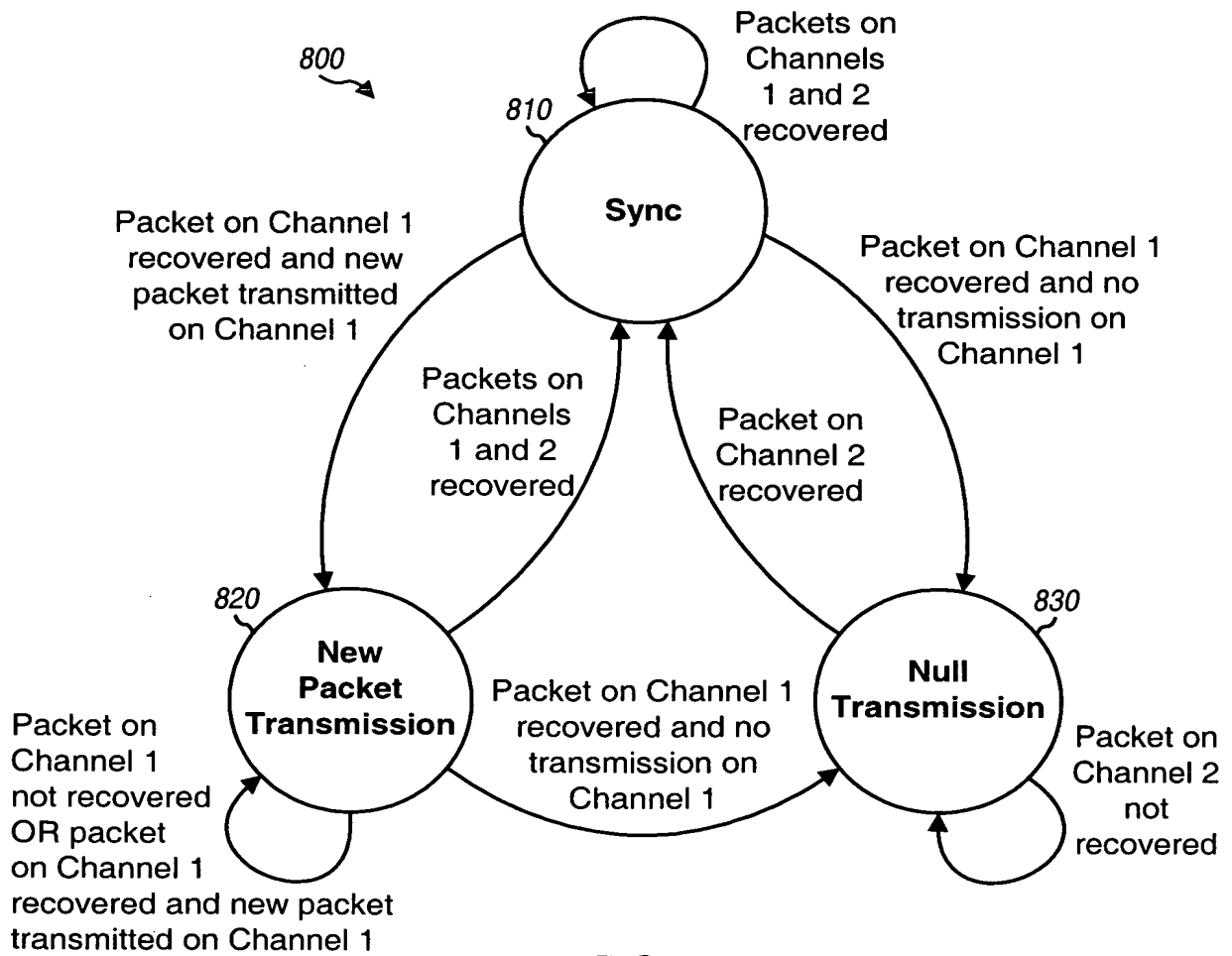


FIG. 8

IR Transmission for 2 Inter-dependent Parallel Channels (Cycled SIC Transmission Scheme)

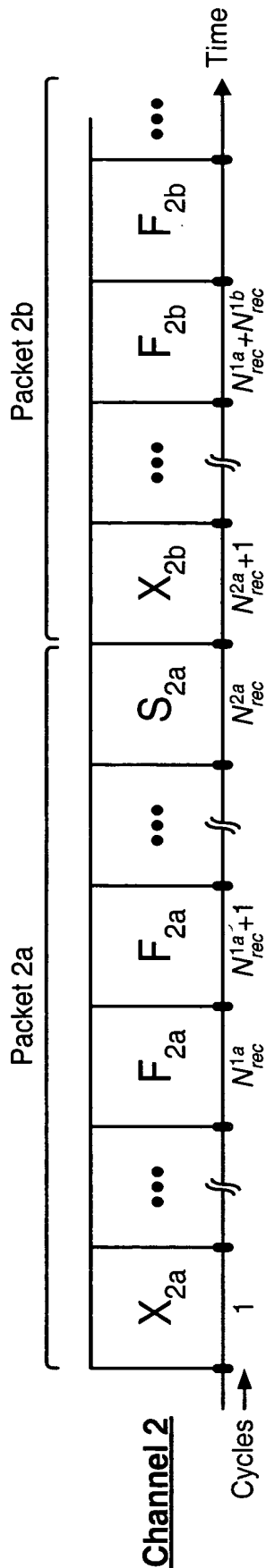
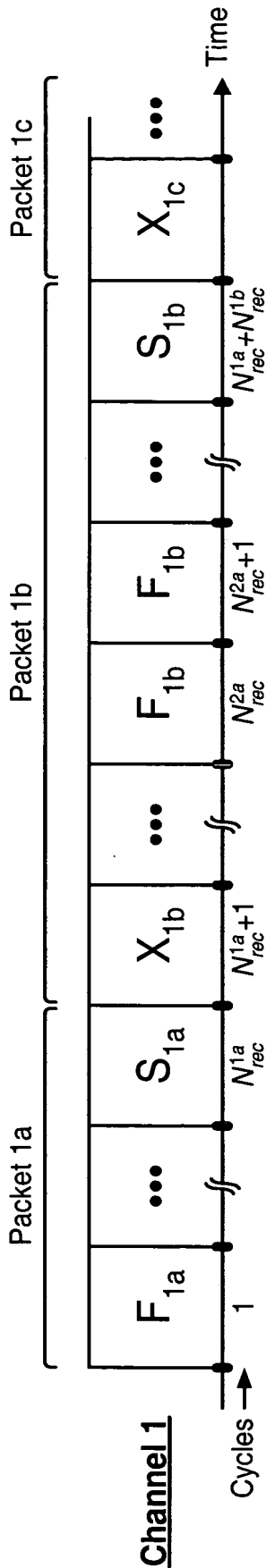


FIG. 9A

F = decoding failure S = decoding success X = skip decoding

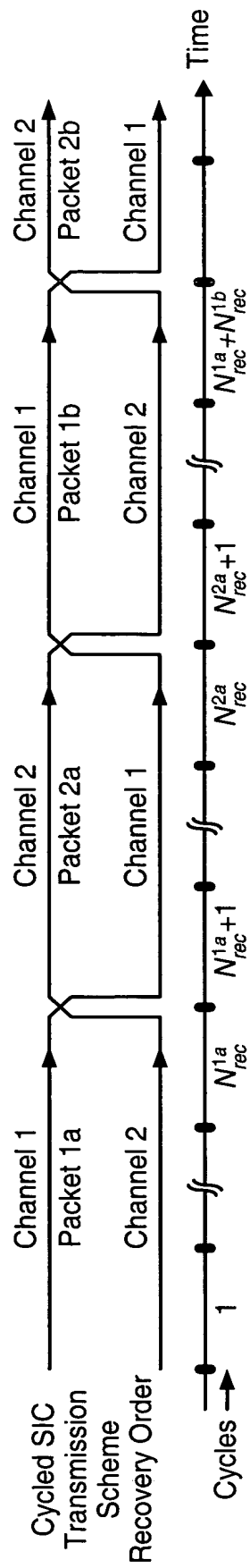


FIG. 9B

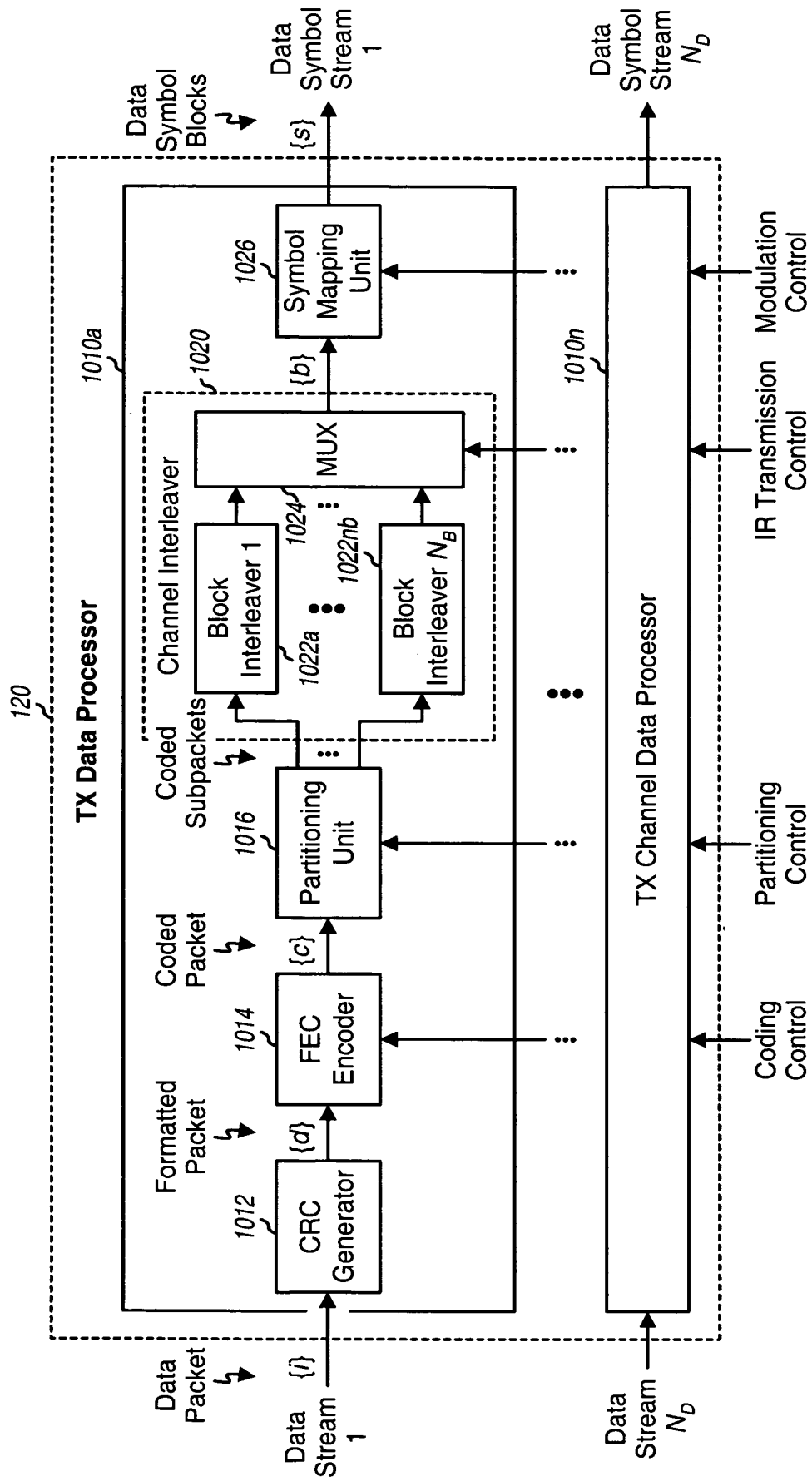


FIG. 10

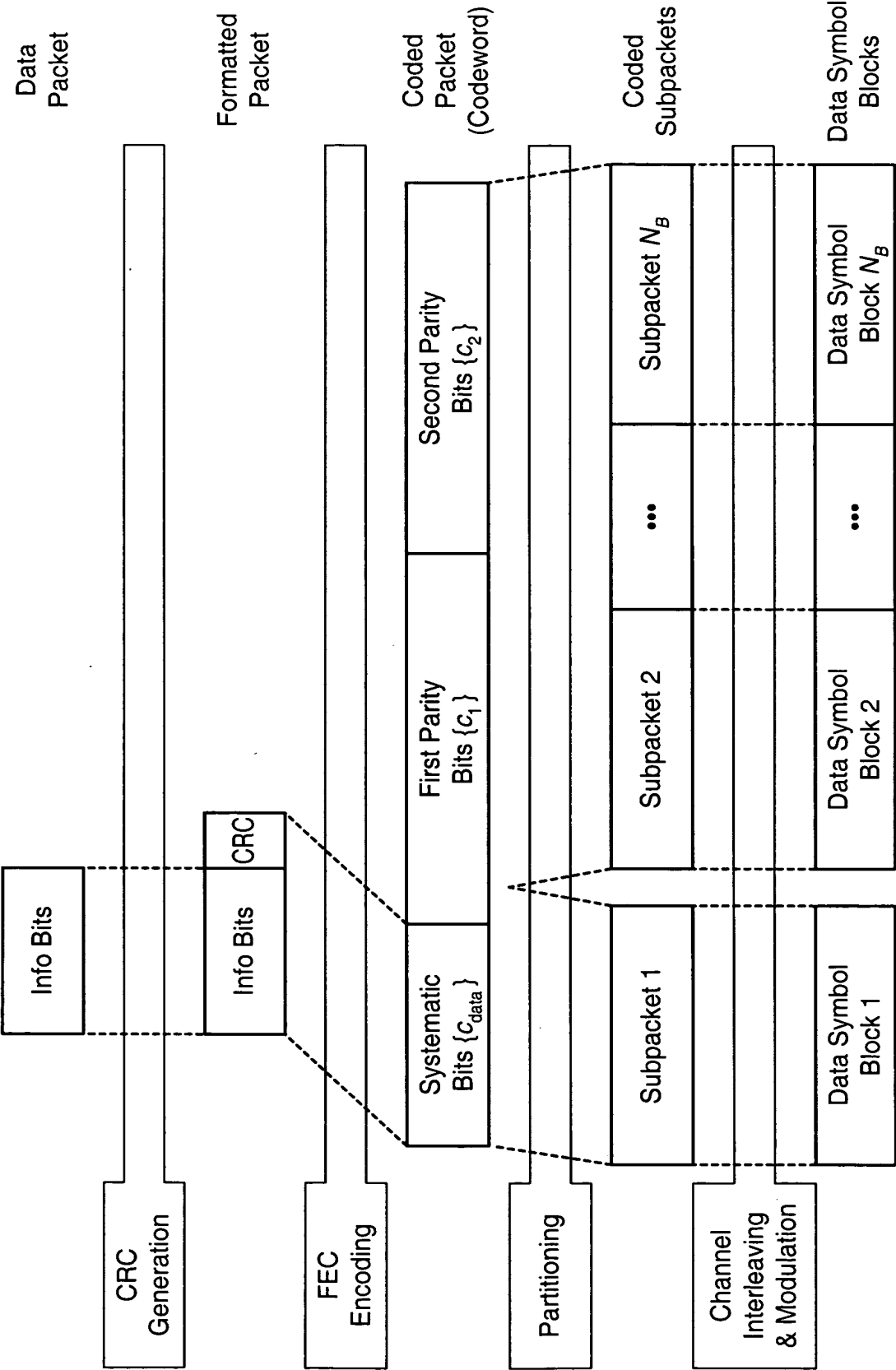


FIG. 11

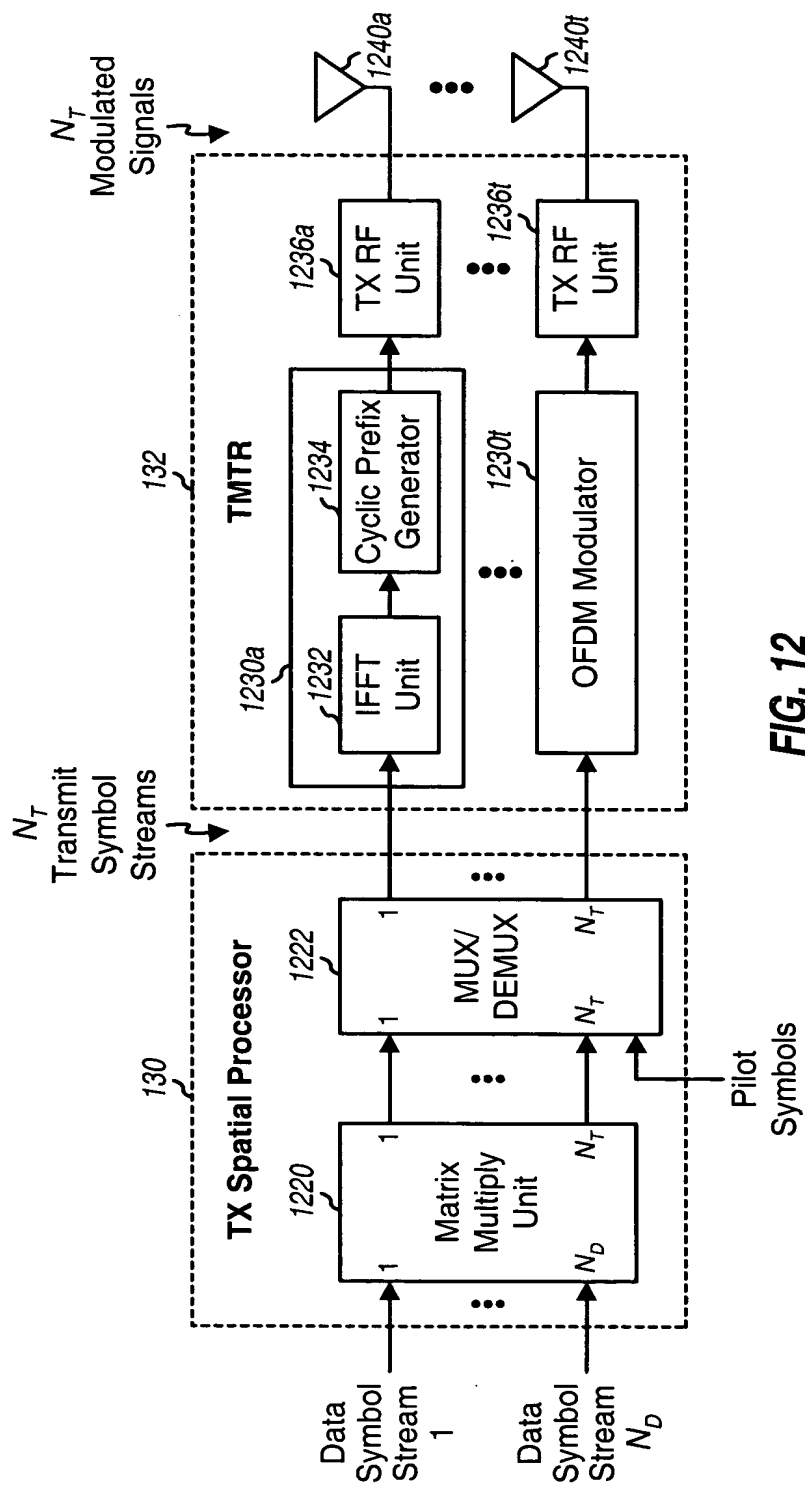


FIG. 12

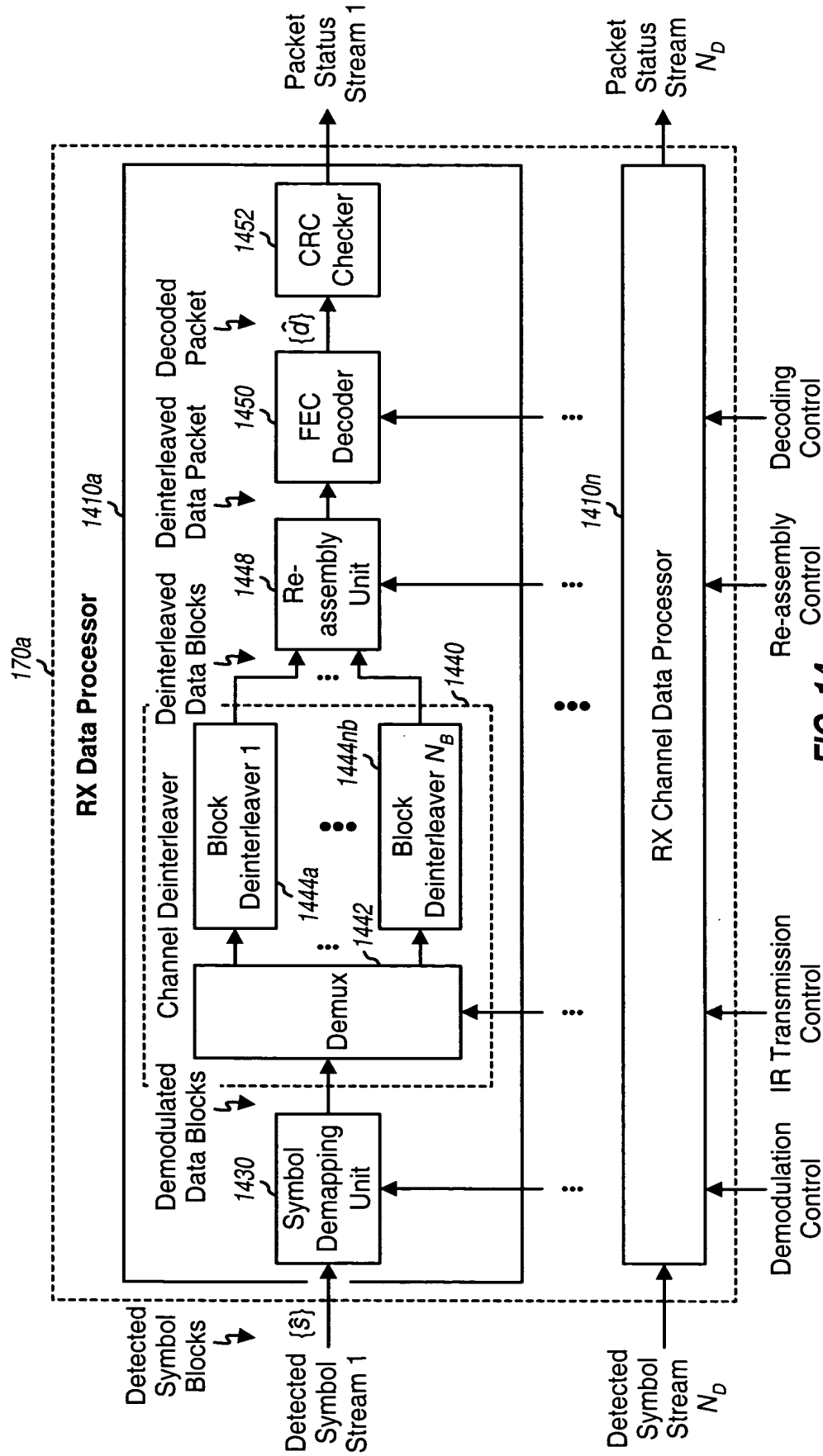


FIG. 14

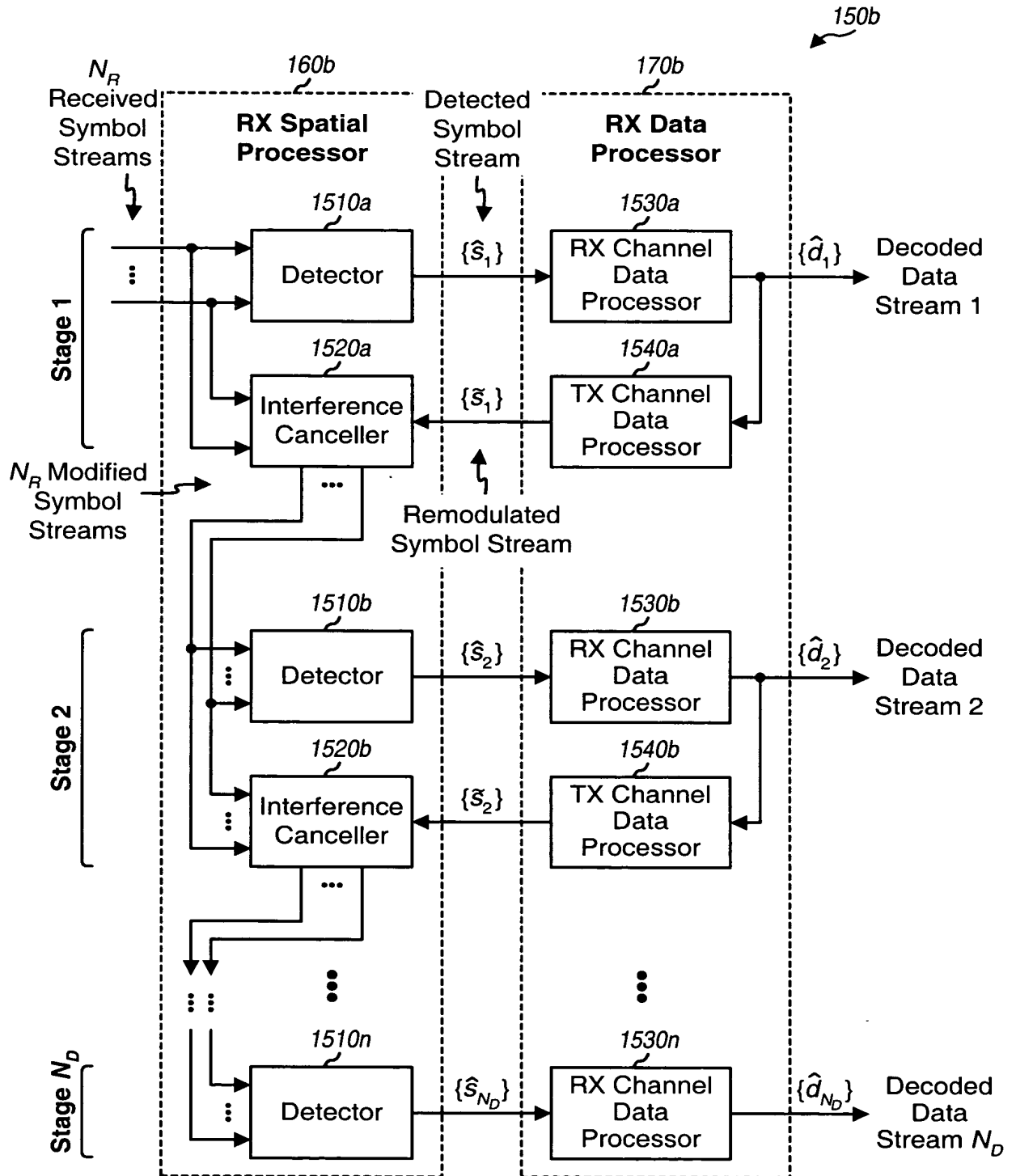


FIG. 15